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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,710	03/09/2004	Shawn Xiang Wu	B04-006A	2927
7590	07/03/2006		EXAMINER	JOHNSON, VICKY A
Curtis Castleman The Gates Corporation IP Law Dept. 10-A3 1551 Wewatta Street Denver, CO 80202			ART UNIT	PAPER NUMBER
			3682	
			DATE MAILED: 07/03/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/796,710	WU, SHAWN XIANG	
	Examiner	Art Unit	
	Vicky A. Johnson	3682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10 April 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-16 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yarnell et al (US 5,610,217) in view of Lee (US 5,135,687).

Yarnell et al disclose a belt comprising: an elastomeric main belt body portion (20), and a sheave contact portion (14) and having a load carrier cord (22) embedded in the belt body portion, the cord comprising a plurality of fibers (col. 4 lines 31-36).

Yarnell et al does not disclose the fibers made up of para-aramid and polyvinylpyrrolidone.

Lee discloses fibers made up of para-aramid and polyvinylpyrrolidone (col. 1 lines 64-66).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the cord of Yarnell et al to include the fibers as taught by Lee in order to improved strength.

Re claim 2, Yarnell et al teach the belt is selected from a multi-V-ribbed belt, a V-belt, and a toothed belt (see Figs 1, 2, 3).

Re claim 3, Lee teaches the para-aramid is poly(p-phenylene terephthalamide) (col. 1 lines 10-13).

Re claims 4, 6-8, and 13, Lee teaches the fibers comprise up to about 30% by weight of polyvinylpyrrolidone based of the total weight of he para-aramid (col. 1 lines 66-68).

Re claim 5, Lee teaches the fibers consist of poly(p-phenylene terephthalamide) and polyvinylpyrrolidone (col. 1 lines 64-68).

Re claim 9, Yarnell et al teach the belt body portion is a cured elastomer composition (col. 5 lines 20-25).

Re claim 10, Yarnell et al teach the elastomer is ethylene alpha olefin (col. 5 lines 48-55).

Re claim 11, Yarnell et al teach the ethylene alpha olefin elastomer is ethylene propylene copolymer (col. 6 lines 1-8).

Re claim 14, Yarnell teaches a river pulley and a driven pulley (inherent).

Re claim 15, Lee teaches to select the fibers consisting of para-aramid and polyvinylpyrrolidone (col. 1 lines 64-68).

Re claim 16, Lee teaches the para-aramid is poly(p-phenylene terephthalamide) (col. 1 lines 10-13).

Response to Arguments

Some further comments regarding the applicant's remarks are deemed appropriate.

The applicant argues that there is no motivation to combine the Lee reference with the Yarnell et al reference.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992).

In this case, Lee teaches an improved process of making the pulp and the fibers provide added strength to the belt.

The applicant's remarks have been accorded due consideration, however, they are not deemed fully persuasive.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vicky A. Johnson whose telephone number is (571) 272-7106. The examiner can normally be reached on Monday-Friday (7:00a-3:30p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6217. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Vicky A. Johnson
Primary Examiner
Art Unit 3682
4/26/02